MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

APRIL, 1931

J. A. BROWN, DIRECTOR

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JUN 22 1931
WEATHER BUREAU

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APRIL 1931
METEOROLOGICAL REGISTER

Date	Barometer reduced to °oC Sea level and 45° Latitude 700 mm +..				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	63.0	62.5	62.4	62.6	18.9	12.9	17.6	18.3	15.1	17.0
2	1.3	59.7	58.5	59.8	21.8	11.8	16.7	21.4	16.6	18.2
3	59.3	9.8	60.6	9.9	21.8	15.7	17.3	19.0	15.6	17.3
4	63.6	63.8	3.4	63.6	19.8	12.3	17.1	18.9	14.4	16.8
5	2.4	1.4	58.1	0.6	20.2	12.6	18.1	19.7	16.6	18.1
6	54.3	56.8	56.8	56.0	26.3	19.0	22.1	23.8	17.8	21.2
7	60.7	61.5	61.0	61.1	21.0	14.4	18.7	20.4	16.6	18.6
8	1.0	59.2	57.2	59.1	20.7	14.4	19.1	19.7	17.6	18.8
9	55.3	3.4	3.3	4.0	26.4	16.3	20.9	23.1	20.8	21.6
10	5.8	4.3	5.6	5.2	22.1	17.3	20.5	21.1	17.6	19.7
11	56.4	54.3	55.4	55.4	21.2	16.3	18.1	18.1	15.6	17.3
12	6.9	8.0	9.1	8.0	18.9	13.3	15.2	16.7	14.6	15.5
13	60.0	9.7	61.1	60.3	19.0	13.9	15.9	18.3	15.5	16.6
14	3.7	63.6	4.0	3.8	19.9	13.4	16.7	19.4	14.7	16.9
15	1.6	58.7	55.2	58.5	21.6	12.8	17.1	19.0	18.0	18.0
16	53.6	56.5	57.8	56.0	21.2	16.6	19.8	19.3	16.9	18.7
17	9.5	9.7	9.8	9.7	20.9	15.4	17.3	20.2	15.8	17.8
18	61.3	60.2	60.5	60.7	20.1	13.4	17.6	19.8	16.2	17.9
19	59.6	58.8	56.9	58.4	20.9	13.4	18.6	21.1	18.4	19.4
20	7.7	7.8	7.8	7.8	28.4	16.0	22.2	27.3	20.4	23.3
21	58.6	57.7	57.2	57.8	24.2	17.1	20.9	25.9	18.8	21.9
22	8.4	8.7	8.9	8.7	24.3	14.8	20.9	23.4	20.4	21.6
23	60.2	60.6	60.2	60.3	24.5	15.7	20.8	24.1	18.9	21.3
24	1.9	1.6	1.3	1.6	23.3	17.5	20.9	23.1	17.3	20.4
25	2.3	1.3	0.8	1.5	22.7	13.9	20.2	22.3	17.8	20.1
26	59.5	59.0	58.2	58.9	21.4	15.7	17.7	19.8	17.6	18.4
27	8.5	8.9	9.1	8.8	17.7	13.8	16.3	16.1	15.7	16.0
28	60.8	61.0	61.2	61.0	21.8	14.8	20.1	21.5	17.3	19.6
29	1.4	1.3	1.6	1.4	22.4	15.3	19.6	22.2	17.1	19.6
30	1.8	0.8	9.9	0.8	23.3	14.7	21.0	23.2	18.7	21.0
	759.68	759.35	759.09	759.38	21.89	14.82	18.83	20.87	17.15	19.28

Barometer, Range for month 753.3-764.0 m.m.
,, 50-yr. average for month 760.038
Thermometer, Range for month 11.°8-28.°4
, 50-yr. average for month 18.90
Rain, total for month 37.14 m.m.
,, , 50-yr average for month 55.88 m.m.
,, , total. Sept. 1st to end of month 867.04 m.m.
,, , 50-yr. average, Sept. 1st to end of month. 881.90 m.m

APRIL 1931

METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8.30	14.30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	15.2	15.4	12.8	11.3	11.2	9.6	10.7	76	72	75	74	9.0	
2	13.9	19.9	13.2	10.1	16.1	9.3	11.8	71	84	66	74	11.5	
3	14.4	15.7	13.2	10.4	11.1	9.8	10.4	71	68	75	71	6.5	
4	13.9	15.3	12.4	10.1	10.7	9.8	10.2	69	66	78	71	10.0	
5	15.7	16.8	14.7	11.7	12.2	11.2	11.7	77	71	79	76	1.2	
6	16.7	18.6	17.0	10.9	12.6	13.8	12.4	55	57	91	68	9.1	
7	16.7	17.9	15.1	12.8	13.4	11.7	12.6	80	75	84	80	11.0	
8	16.3	17.6	16.9	12.0	13.5	13.9	13.1	73	79	93	82	9.3	
9	18.3	18.8	17.2	13.8	13.4	12.2	13.1	75	64	67	69	0.0	
10	18.6	19.1	16.8	14.5	14.9	13.6	14.3	81	80	91	84	8.2	0.45
11	16.6	17.0	14.9	12.9	13.7	12.2	12.9	85	89	93	89	7.4	25.77
12	14.1	13.9	13.5	11.2	10.1	10.8	10.7	88	72	88	83	4.8	1.12
13	13.0	15.4	12.7	9.4	11.2	9.3	10.0	70	72	70	71	6.5	0.51
14	12.8	14.7	12.1	8.8	9.8	9.1	9.2	63	58	73	65	10.9	
15	13.1	15.8	15.9	9.0	11.3	12.1	10.8	63	69	79	70	5.7	
16	17.7	16.8	15.7	13.6	12.6	12.4	12.9	79	76	86	80	7.5	
17	13.9	16.4	13.4	9.8	11.4	10.0	10.4	66	64	75	68	9.3	
18	14.3	16.3	14.3	10.1	11.5	10.9	10.8	68	67	80	72	7.4	
19	15.7	18.3	16.4	11.4	13.7	13.1	12.7	72	74	80	75	11.3	
20	18.9	21.5	17.2	14.0	14.9	12.4	13.8	70	55	70	65	11.8	
21	20.4	20.3	18.4	17.4	13.9	15.2	15.5	94	56	94	81	8.1	
22	19.0	20.3	14.6	14.9	15.4	9.2	13.2	80	71	52	68	11.8	
23	18.1	18.7	15.9	13.4	10.1	11.4	11.6	74	56	70	67	10.0	
24	18.2	19.0	15.7	13.6	13.5	12.3	13.1	74	65	83	74	10.0	
25	17.1	18.3	16.2	12.4	13.0	12.5	12.6	71	65	83	73	11.0	
26	16.2	17.4	16.3	12.7	13.1	13.0	12.9	84	77	87	83	0.0	5.38
27	15.6	15.7	15.3	12.6	12.9	12.6	12.7	92	95	95	94	0.0	3.91
28	18.1	18.3	16.1	14.0	13.5	12.8	13.4	80	70	87	79	11.8	
29	17.6	18.5	15.9	13.6	13.4	12.6	13.2	81	66	87	78	10.8	
30	18.3	16.6	16.7	13.7	10.3	12.8	12.3	75	49	81	68	10.6	
	16.28	16.48	15.22	12.20	12.61	11.72	12.17	75.2	69.4	80.4	75.0	8.08	1.23

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

APRIL 1931

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	1cu	5stcu	4st	3.3	0	1w	0	160.1	calm	
2	0	0	1cu	0.3	1w	0	2sw	335.4	„	tot. lun. eclipse
3	8st	4cu	3cu	5.0	2w	3w	1s	569.9	light	tr. rain
4	1cu	1ci	0	0.7	1sw	2w	1s	447.9	light	
5	3ci	10st	8st	7.0	0	0	0	108.0	calm	
6	7ci	0	0	2.3	0	0	2se	409.3	„	
7	1cu	7st	7st	5.0	1sw	2s	0	421.5	light	
8	6ci	8ci	8st	7.3	0	1n	0	90.6	light	
9	10st	10st	8st	9.3	0	0	1sw	170.9	calm	
10	1cu	8st	8stcu	5.7	0	0	2w	269 6	„	
11	2stcu	6stcu	10ni	6.0	2w	1w	2sw	363.1	light	
12	8st	8st	10ni	8.7	2sw	2sw	1sw	736.1	rough	
13	8st	5st	5st	6.0	2sw	3sw	2sw	737.0	stormy	
14	2st	2st	3st	2.3	0	0	1sw	128.6	light	
15	6st	10stcu	5stcu	7.0	0	0	2ne	73.2	light	tr. rain
16	1cu	8stcu	8ni	5.7	4w	1sw	1sw	493.7	stormy	gale a.m.
17	5stcu	3st	2st	3.3	1w	1w	1s	566.4	„	
18	10st	0	0	3.3	0	0	2n	252.0	calm	
19	0	0	0	0.0	0	2n	0	107.0	light	
20	0	1cu	0	0.3	0	2n	0	80.5	calm	mist a.m.
21	8ci	4ci	0	4.0	0	0	0	6.2	„	„ „
22	0	0	0	0.0	0	0	2s	244.0	„	„ „
23	0	1ci	2st	1.0	0	0	2s	439.0	„	
24	1cu	1cu	2cu	1.3	1sw	0	2s	577.3	„	
25	1ci	1ci	5cu	2.3	1sw	1sw	0	368.7	„	
26	10st	10st	10st	10.0	0	0	1s	168.4	„	tr. rain
27	10ni	10st	4st	8.0	0	0	0	85.6	„	
28	1cu	1cu	2cu	1.3	0	0	0	23.3	„	
29	4cicu	1cicu	1cicu	2.0	0	1w	0	98.7	„	
30	1st	1cu	1cu	1.0	0	0	2ne	44.5	„	
					18	23	30			
				3.98	0.6	0.8	1.0	285.89		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	0	0	0	0	0	6	5	0	19
14:30	3	0	0	0	1	4	6	0	16
20.30	1	2	0	1	7	7	1	0	11
Totals	4	2	0	1	8	17	12	0	46

Number of days with rain 6, fog 0, thunderstorms 0, gales 1

50-yr average number of days with rain during month 6.3